

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/013950

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl⁷ A61K31/472, A23L1/30, 2/52, A61K31/4725, 35/78, A61P25/08,
25/18, 25/20, 25/22, 25/24, C07D217/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl⁷ A61K31/472, A23L1/30, 2/52, A61K31/4725, 35/78, A61P25/08,
25/18, 25/20, 25/22, 25/24, C07D217/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAOLD (STN), CAPplus (STN), REGISTRY (STN), JMEDPlus (JOIS), JST7580 (JOIS),
JSTplus (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	Atsuko ITO, "Renshishin no Alkaloid Oyobi Sono Chinsei Sayo ni Tsuite", The Japanese Society of Pharmacognosy Dai 50 Kai Nenkai Yoshishu, 2003, page 116, 1p-34	1-4, 15-18 5-9, 19-23
X Y	XIONG, Y.Q., Effect of neferine on toxicodynamics of dichlorvos for inhibiting rabbit cholinesterase, Acta Pharmacol. Sin., 2003, Vol. 24, No. 4, pp. 332-6	1-4, 15-18 5-9, 19-23
X Y	PROTAIS, P., Effects of various isoquinoline alkaloids on in vitro 3H-dopamine uptake by rat striatal synaptosomes, J. Nat. Prod., 1995, Vol. 58, No. 10, pages 1475 to 1484	1, 2, 15, 16 3-9, 17-23

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
19 August, 2005 (19.08.05)

Date of mailing of the international search report
06 September, 2005 (06.09.05)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Faxsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	Yuji WATANABE, "Isoquinoline-kei Alkaloid no Koseishinyaku Kassei", Igaku Oyo Kenkyu Zaidan Kenkyu Hokoku, 1991, Vol.1990, No.9, pages 223 to 226	1, 2, 15, 16 3-9, 17-23
X Y	Supervised by Osamu NISHIZAKI, edited by Kenko Shokuhin no Tekisei Shiyo o Kangaeru Kai, revised edition, Kenko Shokuhin Hyakka, 25 March, 2003 (25.03.03), Buren Shuppan Kabushiki Kaisha Hakko, pages 386 to 388	7-9, 13-14, 21-23, 27-28 1-6, 10-12, 15-20, 24-26
X Y	YASUKAWA K., Inhibitory effect of cepharanthine and its related compounds on 12-O-tetradecanoyl phorbol-13-acetate-induced inflammation and inhibition of tumor promotion by cepharanthine in two-stage carcinogenesis in mice, Nihon Univ. J. Med., 1989, Vol.31, No.4, pages 229 to 234	10-12, 24-26 13-14, 27-28

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 29-47
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 29 to 47 pertain to methods for treatment of the human body by therapy and thus relate to a subject matter which this International Searching Authority is not required, under the provisions of Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search.
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1-9 and 15-23 relate to a psychotropic agent comprising a compound represented by general formula (I) as an effective ingredient.

Claims 10-14 and 24-28 relate to an antiphlogistic comprising a compound represented by general formula (I) as an effective ingredient.

A medicament comprising a compound represented by general formula (I) as an effective ingredient is common to claims 1-9 and 15-23 and claims 10-14 and 24-28. This medicament is not novel from a document [JP 63-208519 A (Kaken Shoyaku Kabushiki Kaisha) 1988.08.30] and the like, and, thus, this common matter is not a special technical feature.

(continued to extra sheet)

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims: it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

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Continuation of Box No. III of continuation of first sheet (2)

Since other common matter which is common to all the claims and is considered as a special technical feature does not exist, the number of inventions included in this application is two.